

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4129641

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KOOHYAR MINOO	10/31/2016
ZHOUE GU	10/25/2016
DAVID M. BAYLON	10/19/2016
AJAY LUTHRA	10/24/2016
YUE YU	10/19/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARRIS Enterprises LLC
<b>Street Address:</b>	3871 Lakefield Drive
<b>Internal Address:</b>	
<b>City:</b>	Suwanee
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15274486
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(678)473-8095
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	215-323-1086
<b>Email:</b>	arrisdocketing@arris.com
<b>Correspondent Name:</b>	ARRIS GROUP, INC,
<b>Address Line 1:</b>	101 TOURNAMENT DRIVE
<b>Address Line 4:</b>	HORSHAM, PENNSYLVANIA 19044
<b>ATTORNEY DOCKET NUMBER:</b>	ARR00853
<b>NAME OF SUBMITTER:</b>	LORI ANNE D. SWANSON
<b>SIGNATURE:</b>	/Lori Anne D. Swanson/
<b>DATE SIGNED:</b>	11/04/2016
<b>Total Attachments: 6</b>	

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**ASSIGNMENT**

WHEREAS we, Koohyar Minoo, Zhouye Gu, David M. Baylon, Ajay Luthra, Yue Yu, (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "Single Layer High Dynamic Range Coding with Standard Dynamic Range Backward Compatibility" disclosed in Patent Application Number 15274486 filed in the United States Patent and Trademark Office on September 23, 2016; and as described, illustrated and claimed in the following applications: U.S. Provisional Application No. 62/222723, filed on September 23, 2015; U.S. Provisional Application No. 62/241094, filed on October 13, 2015; U.S. Provisional Application No. 62/241087, filed on October 13, 2015; U.S. Provisional Application No. 62/242272, filed on October 15, 2016; and,

WHEREAS, ARRIS Enterprises LLC, a limited liability company formed under the laws of Delaware, having a principal place of business at 3871 Lakefield Drive, Suwanee, Georgia 30024 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to, and under said invention and the United States Letters Patent to be obtained therefore:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said patent application, design patent application, or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, or reissue thereof and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world for said invention for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNOR will promptly provide ASSIGNEE, upon its request, with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

K Minoo

DATE Oct-31-2016

Koohyar Minoo

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

County of San Diego )ss

On Oct 31, 2016, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Koohyar Minoo  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s)-is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

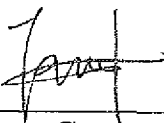
Signature Sandra Jenkins  
Signature of Notary Public

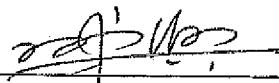
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Docket ARR00853

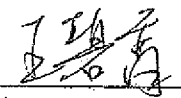
Patent  
Application  
15274486

10/25/16  
Date

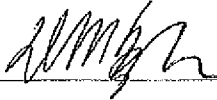
  
Zhouye Gu

WITNESS#1:  DATE: 25-10-2016  
Signature

zhen cheng  
Printed

WITNESS#2:  DATE: 25-10-2016  
Signature

Bi Xiang Wang  
Printed

DATE Oct 19, 2016

David M. Baylon

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

County of San Diego )ssOn Oct 19, 2016, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Publicpersonally appeared David M. Baylon  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Signature Sandra Jenkins  
Signature of Notary Public

Place Notary Seal Above

A. Luthra

DATE

10/24/16

Ajay Luthra

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

County of San Diego )ss

On

Oct. 24, 2016  
Date

before me

Name of Notary Public

Notary Public

personally appeared

Ajay Luthra  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature

Sandra Jenkins  
Signature of Notary Public



DATE 10/19/2016

Yue Yu

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

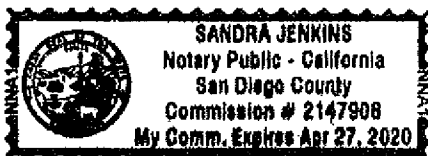
County of San Diego )ss

On Oct. 19, 2016, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Yue Yu  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Signature Sandra Jenkins  
Signature of Notary Public

Place Notary Seal Above